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CONFIRMATION NO. ATTORNEY DOCKET NO. FIRST NAMED INVENTOR APPLICATION NO. FILING DATE TI-16314 2632 ALAN J. KATZ 12/18/1991 07/810,005 EXAMINER 7590 03/03/2004 GREGORY, BERNARR E **RENE E GROSSMAN RAYTHEON COMPANY** PAPER NUMBER ART UNIT PO BOX 660246 MS 17 DALLAS, TX 75266 3662

DATE MAILED: 03/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.		Applicant(s)	- 1	<u>, </u>
		07/810,005		KATZ, ALAN J.		`
" Office Action Summary		xaminer		Art Unit		
		Bernarr E. Gregory		3662		
The MAILING DATE of this col	mmunication appea	rs on the cover sh	eet with the co	orrespondence ad	idress	
A SHORTENED STATUTORY PERITHE MAILING DATE OF THIS COM - Extensions of time may be available under the prafter SIX (6) MONTHS from the mailing date of the period for reply specified above is less than If NO period for reply is specified above, the max - Failure to reply within the set or extended period Any reply received by the Office later than three rearned patent term adjustment. See 37 CFR 1.7	MUNICATION. ovisions of 37 CFR 1.136(a is communication. thirty (30) days, a reply wi mum statutory period will a for reply will, by statute, ca nonths after the mailing da	a). In no event, however, thin the statutory minimu apply and will expire SIX use the application to be	may a reply be time m of thirty (30) days (6) MONTHS from to come ABANDONED	ely filed will be considered timel he mailing date of this c (35 U.S.C. § 133).	ly. ommunication	ı.
Status						
 Responsive to communication This action is FINAL. Since this application is in conclosed in accordance with the 	2b)⊠ This ac dition for allowance	ction is non-final. e except for forma			e merits is	i
Disposition of Claims						
4) ☐ Claim(s) 1-20 is/are pending in 4a) Of the above claim(s) 5) ☐ Claim(s) 1,2,4-10,12-17 and 2 6) ☐ Claim(s) 3,11,18 and 19 is/are 7) ☐ Claim(s) is/are objected 8) ☐ Claim(s) are subject to	_ is/are withdrawn <u>0</u> is/are allowed. rejected. I to.					
Application Papers						
9) The specification is objected to 10) The drawing(s) filed oni Applicant may not request that an Replacement drawing sheet(s) inc 11) The oath or declaration is object	s/are: a) accept y objection to the dra cluding the correction	wing(s) be held in a is required if the di	abeyance. See rawing(s) is obje	37 CFR 1.85(a). ected to. See 37 Cl		I).
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a a) All b) Some * c) None 1. Certified copies of the p 2. Certified copies of the p 3. Copies of the certified copies of the p application from the Inte	e of: riority documents h riority documents h opies of the priority rnational Bureau (l	ave been receive ave been receive documents have PCT Rule 17.2(a)	d. d in Applicatio been receive).	on No d in this National	Stage	
Attachment(s)		-				
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Re Information Disclosure Statement(s) (PTO-1 Paper No(s)/Mail Date 		Pap			O-152)	

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1. Claims 3 and 11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In dependent claim 3 and in dependent claim 11, the use of the term "speech signals" is indefinite and unclear in that context of either a method of distinguishing targets from clutter (claim 1) or an apparatus to classify targets (claim 9). It is unclear how "speech signals" could have anything to do with either of these.

- 2. Claims 1, 2, 4-10, 12-17, and 20 are allowable over the prior art of record.
- 3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 18 and 19 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Independent claim 18 is non-statutory subject matter in that it fails to fall within one of the statutory classes of inventions as set forth in 35 USC 101. Particularly, claim 18 is directed to software per se and fails to recite a medium on which the software resides or a computer on which the software is running. Please see the Guidelines set forth in MPEP 2106. Please particularly noted section IV.B.1. of those Guidelines.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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The examiner-cited prior art herewith is of interest for showing prior art systems and methods of classifying targets and of using target characteristics to remove target signals in a returned-wave system or method from clutter.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bernarr E. Gregory whose telephone number is (703) 306-5765. The examiner can normally be reached on weekdays from 7:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bernarr E. Gregory Primary Examiner

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